TKP19F GPS Tracker for Pets

（GPS+GSM+SMS/GPRS）

User Manual (1.7 Version)

Thank you for purchasing the GPS tracker. This manual explains how to operate the device; read it carefully before operating the device. Please note that the specification and information contained in this manual are subject to change without prior notice; any change will be integrated into the latest release. The manufacturer does not accept liability for any errors or omissions that may be contained in this document.

I· Quick start up·

Your package contains the following:

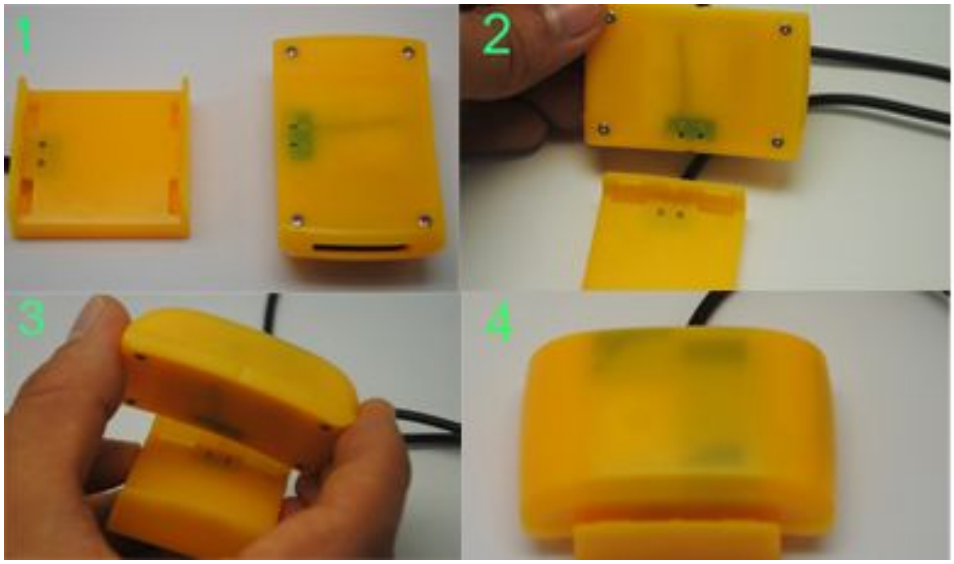
Quantity	Item
1	USB cable
1	Electrical plug
1	GPS tracker unit
1	User manual

1	Screwdriver

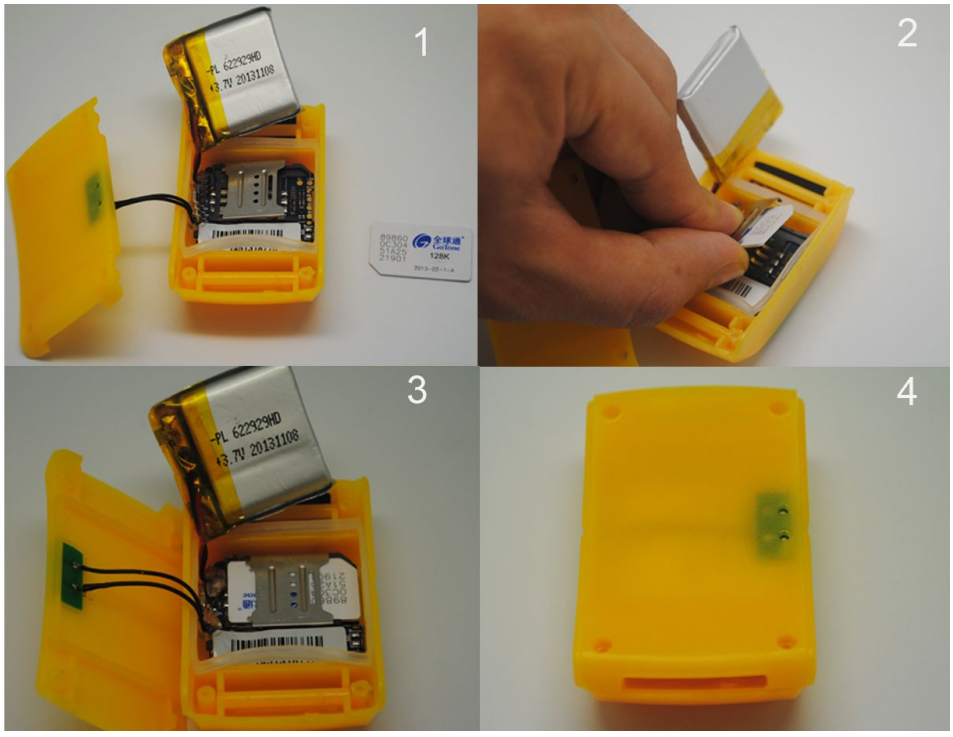
Before continuing, ensure that you have a SIM card for the tracker and have disabled the SIM card PIN security code.

The setting up of your GPS tracker is as follows:

1. Charge the GPS tracker until the battery is full;



2. When the battery is full, install the SIM card as shown below:



3. Set up the administration number. This is the phone number the tracker will accept commands from. To setup the administration number, simply send the following SMS message to the tracker's mobile number: *SMS Template:* ***pw,123456,center,<the_administration_phone_number>#***

For example, to setup the number 00441234567890, send the following: ***pw,123456,center,00441234567890#***

If successful, the tracker will send you an SMS with: center:00441234567890. Ok!

4. Set up your time zone.
   *SMS Template:**lang,0,zone,<time_zone>#*** where <time_zone> is the time difference to GMT.
   For example to set up the UK or Irish time zone, send the following message: ***lang,0,zone,-0#***

   When successful, the tracker will send you an SMS with:[lang,0,zone,-0#] ok!

5. To check you GPS tracker is operating correctly, send the following SMS to the tracker's number:
   *SMS Template: **url#***
   The tracker will reply by SMS with a link. Simply select the link and your phone's map program will open to show the current location of the tracker device.
6. If you intend to use the mobile App or the platform, then you should set the APN as follows:
   SMS Template: **apn,<mobile_network_apn>,<apn_user_name>,<apn_password>#**
   For example, if you are using a SIM card from XYZ Mobile, the APN is 'data.xyz.com' and does not require a user name nor password. You should send the following: **apn,data.xyz.com#**

II· Commands summary

The following are commands that you can send to your GPS tracker using SMS. The tracker will process the request and reply accordingly. Note that the commands should be sent using the exact case (lower or uppercase) as in the table below:

Description	SMS template	Example
Change the default password (a) *(see below)*	pw,<new_password>#	pw,888888#
Set up an administration phone number	pw,123456,center,<the_administration_phone_number>#	pw,123456,center,00441234567890#
Set up an auxiliary administration phone number	pw,123456,slave,<the_administration_phone_number>#	pw,123456,slave,00449876543210#
Set up an SOS phone number (b)	sos<number>,<phone_number>#	sos1,00441234567890#
Unset (remove) an SOS number (b)	sos<number>#	sos1#
Set up the time (c)	lang,<language_id>,zone,<time_zone>#	lang,0,zone,-0#
Set up the tracker for use with Mobile App and the internet	apn,<mobile_network_apn>,<apn_user_name>,<apn_password>#	apn,data.xyz.com#
Change the tracker's operation mode (d)	m<mode_number>,<upload_interval_in_seconds>#	m2,600#
Change the data upload time interval (d)	upload,<upload_interval_in_seconds>#	upload,300#
Request the tracker's current position	url#	url#
Check the tracker's settings	test#	test#
Restart the tracker	reset#	reset#

Restore factory settings	factory#	factory#
Set a different platform server	ip,<ip_address>,port,<port_number>#	ip,59.188.20.67,port,7018#
Set up a monitoring phone (e)	monitor,<phone_number>#	Monitor,00441234567890#

a) The default password is 123456. The new password has to be 6 digits long.
b) Up to three phone numbers can be set for SOS, so <number> should be 1, 2 or 3.
c) Two languages are supported: 0 for English and 1 for Chinese.
d) There are four modes of operation, so <mode_number> varies from [1-4] depending on the mode you wish to select. The <upload_time_interval> is expressed in seconds and varies from [15-65535] seconds.

   Mode 1: Always ON. In this mode, all the functions of the tracker are always on. At the time interval specified, the tracker will upload location and other tracker data to the platform.

   a. *Example*: m1,20# will upload data every 20s.

   Mode 2: Power Saving. In this mode, the tracker is in a sleep mode and only wakes up every time interval to upload the location data to the platform.

   b. *Example: m2,600#* will upload data every 600s and go back to sleep.

   Mode 3: GPS Off. In this mode, the GPS module is off. The tracker uses the mobile network cell to calculate an approximate position. The cell number is uploaded every time interval.

   c. *Example: m3,200#* will upload the cell ID every 200s.

   Mode 4: SMS Only. In this mode, the GPS tracker does not use any data connection. Nothing is upload. The tracker replies to location queries using SMS only.

   d. Example: m4#
e) When you phone the tracker, the tracker will answer the call and you can listen in to the sounds surrounding the tracking device.

III· Using the mobile App

The Android app can be downloaded by scanning the QR code below:

For iOS, use this QR code:

Use the ‘test#’ command to find out your device ID or IMEI. Unless you have changed it, the default password is ‘123456’.

IV· Using the platform

Platform website: http://www.track188.com/?locale=en&back=true

Use the ‘test#’ command to find out your device ID or IMEI. Unless you have changed it, the default password is ‘123456’.

V· Technical data

GSM module	GSM 850/900/1800/1900 MHz Quad frequency
GPS sensitivity	-163dBm
GPS center frequency	L1, 1575.42MHz
GPS positioning accuracy	5-25m
GSM positioning accuracy	100-500m
Speed accuracy	0.1 m/s
Time accuracy	Synchronous with GPS
GPS Datum	WGS-84
Hot start	< 1s
Warm start	< 38s
Max. altitude	18000m
Max. speed	515m/s
Gravitational acceleration	< 4g

(2). Others

Operating temperature	-30---75℃
Humidity	5%---95%
Dimensions	58mm×36mm×16 mm (main unit)
Voltage	Rechargeable 500mAh battery

Power supply	DC5V
Standby time	>72h